

WE CLAIM:

1. A bacterial isolate of *Lactobacillus rhamnosus* which is deposited in Food Industry Research and Development Institute (FIRDI) with an accession number CCRC 910145
5 and in American Type Culture Center (ATCC) with an accession number PTA-2406.
2. A composition containing the bacterial isolate of Claim 1, and an acceptable excipient.
- 10 3. The composition of Claim 2, which is in a form selected from the group consisting of beverages, food, animal feed, and dietary supplements.
- 15 4. The composition of Claim 2, wherein the excipient is lactosucrose, chitin, chitosan, manitol, yogurt powder or a combination thereof.
- 20 5. The composition of Claim 2, wherein the bacterial isolate is formulated into the excipient together with a probiotic organism selected from the group consisting of *L. acidophilus*, *L. brevis*, *L. casei*, *L. plantarum*, *L. salivarius*, *L. bifidus*, *L. bulgaricus*, *L. caucasicus*, *Streptococcus lactis* and other strains of *L. rhamnosus*,
25 or a combination thereof.

6. A pharmaceutical composition comprising a probiotic amount of the bacterial isolate of Claim 1.

5 7. The pharmaceutical composition of claim 6 for use in the treatment or prophylaxis of gastroenteric disorders.

10 8. A method for the treatment or prophylaxis of gastroenteric disorders in a subject in need of such treatment or prophylaxis comprising administering to the subject a composition containing a probiotic amount of the bacterial isolate of Claim 1.

